

**Data Base Summary (Statement of Basis)**

**NSR Permit**

**Type of Permit Action:** Regular-Significant Revision

PSD or Not	Minor or Title V	Portable or Not
Minor (not PSD)	Major-Title V	Stationary

**Facility:** Road Runner Gas Processing Plant  
**Company:** Targa Northern Delaware LLC  
**Facility Type:** O&G-Gas Plant  
**Permit No. (NSR)** 7200-M4  
**Operating Permit No. (TV)** N/A if no permit  
**Agency Interest No.** 36536 - PRN20220003  
**AIRS ID No.** 350151662  
**SIC CODE:** 1321: Natural gas liquids  
**Permit Writer:** Joseph Kimbrell

**Application Notarized Date:** December 12, 2022  
**Receive Date:** December 16, 2022  
**Timeliness of TV Application:** N/A  
**Ruled Incomplete:** N/A  
**Ruled Complete:** January 13, 2023  
**APP. sent to Field Office:** NR  
**Public involvement Plan (PIP):** January 24, 2023  
**PSD APP. Sent to EPA:** NR  
**Public Notice Date & Newspaper:** January 19, 2023, Carlsbad Current Argus  
**Comments Due:** February 18, 2023  
**Analysis Review Begins:** NR  
**Analysis Review Ends:** NR  
**Public Hearing:** September 25, 2023, Final Order approved 10/16/23  
**Proposed Permit to EPA Acknowledged:** NR  
**Permit Due:** April 13, 2023, extended until July 13, 2023  
**Permit Issued:** October 16, 2023  
**PSD Permit to EPA:** NR

**Facility Location:** This facility is located approximately 1.5 mi. SW of Loving, in Eddy County, NM.

**UTM Zone:** 13; **Datum:** NAD83  
**UTM Easting:** 583982 meters; **UTM Northing:** 3570216 meters  
**Elevation:** 3124 ft **County:**Eddy

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**Consultant Address:**

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**NSR Agency\* Notification:**

Agency	Distance	Units	Date Email Sent
Class I - Carlsbad Caverns National Park	44	km	1/27/2023
State - Texas	29.5	km	1/27/2023

\*As required by 20.2.72.206.A.(7): Mail a copy of the public notice at the same time it is sent for publication to the appropriate agency in the following locations if the source will locate within 50 kilometers (31.1 miles) of the boundary of other states, Bernalillo County, or a Class I Area.

**Part II – Facility Specifications**

**Table 102.A: Total Pollutant Emissions from Entire Facility:**

Pollutant	Emissions (tons per year)	Emission Type	Change in Emission since Permit 7200M3
Nitrogen Dioxide	155.9	Allowable	+25.1
Carbon Monoxide	231.4	Allowable	+1.3
Volatile Organic Compounds (VOC)	297.3	Allowable	+102.7
Sulfur Dioxide	147.9	Allowable	+125.2
Particulate Matter (PM)	16.8	Allowable	+5.6
Particulate Matter (10 microns or less)	15.7	Allowable	+4.5
Particulate Matter (2.5 microns or less)	15.4	Allowable	+4.6
Hydrogen sulfide (NMAAQ)	0.54	Potential	-2.36
Greenhouse Gas (GHG) as CO <sub>2</sub> e	425009.8	Potential	+129,630.8

Note: Total Potential Pollutant Emissions in Table 102.A, may include fugitive emissions; routine or predictable, startup, shutdown, and maintenance emissions (SSM); and permitted malfunction allowances if these are a sources of regulated air pollutants from this facility.

**Table 102.B: Total Potential Hazardous Air Pollutants (HAPs)\* and State Toxic Air Pollutants (TAPs)**

Pollutant	Emissions (tons per year)	Emission Type	Change in Emission since Permit 7200M3
Benzene	6.4	Potential	+3.6
Hexane	7.0	Potential	+7.0
Total HAP	24.2	Potential	+19.3

\* HAP emissions are included in the Table 102.A VOC emissions total.

\*\* Total HAP emissions may not agree with the sum of individual HAPs because only individual HAPs emitted at a rate greater than 1.0 ton per year are listed in Table 102.B.

**Air Pollution Control Devices:**

Unit # (Subject Item ID)	SI Description	Primary	Secondary
2-EP-7 (EQPT19)	Glycol Dehydrator Still Vent	Condenser	Thermal Oxidizer (Incinerator)
2-EP-8 (EQPT20)	Amine Still Vent	Thermal Oxidizer (Incinerator)	
3-EP-7 (EQPT39)	Glycol Dehydrator Still Vent	Condenser	Thermal Oxidizer (Incinerator)
3-EP-8 (EQPT52)	Amine Still Vent	Thermal Oxidizer (Incinerator)	
EP-7 (EQPT7)	Glycol Dehydrator Still Vent	Condenser	Thermal Oxidizer (Incinerator)
EP-8 (EQPT8)	Amine Still Vent	Thermal Oxidizer (Incinerator)	
SSM 2-EP-1 (RPNT7)	SSM Flare for Train 2	Flare	
SSM 3-EP-1 (RPNT9)	SSM Flare for Train 3	Flare	
SSM EP-1 (RPNT3)	SSM Flare for Train 1	Flare	
SSMB (RPNT6)	SSM from Blowdowns	Flare	
T-1 (EQPT10)	Condensate Storage Tank	Flare	
T-2 (EQPT53)	Condensate Storage Tank	Flare	
T-3 (EQPT54)	Condensate Storage Tank	Flare	
T-4 (EQPT55)	Condensate Storage Tank	Flare	
T-5 (EQPT56)	Condensate Storage Tank	Flare	

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
2-D-1 EQPT57	Compressor	Ariel	KBZ4	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Driven Residue Compressor
2-D-2 EQPT58	Compressor	Ariel	KBZ4	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Driven Residue Compressor
2-D-3 EQPT59	Compressor	Ariel	KBZ4	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Driven Residue Compressor
2-D-4 EQPT60	Compressor	Ariel	KBZ4	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Driven Residue Compressor

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
2-D-5 EQPT61	Compressor	Frick	RWF546E	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Driven Refrigeration Compressor
2-D-6 EQPT62	Compressor	Frick	RWF546E	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Refrigeration Compressor
2-D-7 EQPT63	Compressor	Frick	RWF546E	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Refrigeration Compressor
2-D-8 EQPT64	Compressor	Frick	RWF546E	TBD			40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Active	Electric Refrigeration Compressor
2-EP-1 EQPT50	Process Flare	TBD	TBD	TBD			/ 240.03 MM SCF/d	/	Active	SSM Flare (Pilot w/ auto ignition)
2-EP-2 EQPT13	Process Heater	Fabsco Shell & Tube	E-207	TBD			26.5 MM BTU/h / 26.5 MM BTU/h	26.5 MM BTU/h / 26.5 MM BTU/h	Active	Trim Reboiler
2-EP-4 EQPT16	Glycol Dehy Reboiler Burner	TBD	TBD	TBD	30-NOV-18		3.9 MM BTU/h / 3.9 MM BTU/h	3.9 MM BTU/h / 3.9 MM BTU/h	Active	Glycol Reboiler Heater
2-EP-5 EQPT17	Process Heater	TBD	TBD	TBD			9.5 MM BTU/h / 9.5 MM BTU/h	9.5 MM BTU/h / 9.5 MM BTU/h	Active	Regen Reboiler Heater
2-EP-6 EQPT41	Process Heater						23.4 MM BTU/h / 23.4 MM BTU/h	23.4 MM BTU/h / 23.4 MM BTU/h	Active	Stabilizer Heater
2-EP-7 EQPT19	Glycol Dehy Still Vent/Flash Tank	TBD	TBD	TBD	30-NOV-18		240 MM SCF/d / 240 MM SCF/d	240 MM SCF/d / 240 MM SCF/d	Active	Glycol Dehydrator Still Vent

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
2-EP-8 EQPT20	Amine sweetening unit	TBD	TBD	TBD			220 MM SCF/d / 220 MM SCF/d	220 MM SCF/d / 220 MM SCF/d	Active	Amine Still Vent
3-D-1 EQPT31	Compressor	Ariel	KBZ/6	TBD			/ 60 MM SCF/d	/	Active	Electric Driven Residue Compressor
3-D-2 EQPT43	Compressor	Ariel	KBZ/6	TBD			/ 60 MM SCF/d	/	Active	Electric Driven Residue Compressor
3-D-3 EQPT44	Compressor	Ariel	KBZ/6	TBD			/ 60 MM SCF/d	/	Active	Electric Driven Residue Compressor
3-D-4 EQPT45	Compressor	Ariel	KBZ/6	TBD			/ 60 MM SCF/d	/	Active	Electric Driven Residue Compressor
3-D-5 EQPT68	Compressor	Frick	RWF546E	TBD			/ 40 MM SCF/d	/	Active	Electric Driven Refrigeration Compressor
3-D-6 EQPT69	Compressor	Frick	RWF546E	TBD			/ 40 MM SCF/d	/	Active	Electric Driven Refrigeration Compressor
3-D-7 EQPT70	Compressor	Frick	RWF546E	TBD			/ 40 MM SCF/d	/	Active	Electric Driven Refrigeration Compressor
3-D-8 EQPT71	Compressor	Frick	RWF546E	TBD			/ 40 MM SCF/d	/	Active	Electric Driven Refrigeration Compressor
3-EP-1 EQPT51	Process Flare	TBD	TBD	TBD			/ 240.03 MM SCF/d	/	Active	SSM Flare (Pilot w/ auto ignition)

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
3-EP-2 EQPT33	Process Heater	Fabsco Shell & Tube	E-207	TBD			26.5 MM BTU/h / 26.5 MM BTU/h	26.5 MM BTU/h / 26.5 MM BTU/h	Active	Trim Reboiler
3-EP-4 EQPT35	Glycol Dehy Reboiler Burner	TBD	TBD	TBD	30-NOV-18		3.9 MM BTU/h / 3.9 MM BTU/h	3.9 MM BTU/h / 3.9 MM BTU/h	Active	Glycol Reboiler Heater
3-EP-5 EQPT37	Process Heater	TBD	TBD	TBD			9.5 MM BTU/h / 9.5 MM BTU/h	9.5 MM BTU/h / 9.5 MM BTU/h	Active	Regen Reboiler Heater
3-EP-7 EQPT39	Glycol Dehy Still Vent/Flash Tank	TBD	TBD	TBD			240 MM SCF/d / 240 MM SCF/d	240 MM SCF/d / 240 MM SCF/d	Active	Glycol Dehydrator Still Vent
3-EP-8 EQPT52	Amine sweetening unit	TBD	TBD	TBD			220 MM SCF/d / 220 MM SCF/d	220 MM SCF/d / 220 MM SCF/d	Active	Amine Still Vent
Comb-1 EQPT12	Incinerator	Zeeco Inc	VCU-7.5.40 Flare System	31974-001	01-JAN-17	01-JAN-17	12.75 MM SCF/d / 12.75 MM SCF/d	12.75 MM SCF/d / 12.75 MM SCF/d	Active	Combustor (for Tanks T1-5)& SSMB
D-1 EQPT11	Compressor	Ariel	KBZ/6	F54680	01-OCT-17	01-SEP-17	60 MM SCF/d / 60 MM SCF/d	60 MM SCF/d / 60 MM SCF/d	Active	Electric Driven Residue Compressor
D-2 EQPT24	Compressor	Ariel	KBZ/6	F54701	01-OCT-17	01-SEP-17	60 MM SCF/d / 60 MM SCF/d	60 MM SCF/d / 60 MM SCF/d	Active	Electric Driven Residue Compressor
D-3 EQPT25	Compressor	Ariel	KBZ/6 (electric)	F54720	01-OCT-17	01-SEP-17	60 MM SCF/d / 60 MM SCF/d	60 MM SCF/d / 60 MM SCF/d	Active	Electric Driven Residue Compressor
D-4 EQPT26	Compressor	Ariel	KBZ/6 (electric)	F54750	01-OCT-17	01-SEP-17	60 MM SCF/d / 60 MM SCF/d	60 MM SCF/d / 60 MM SCF/d	Active	Electric Driven Residue Compressor

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
D-5 EQPT65	Compressor	GEA	XCR- XC26555-18 (electric)	XC0507	01-OCT-17	01-SEP-17	/ 4500 hp	/	Active	Electric Driven Refrigeration Compressor
D-6 EQPT66	Compressor	GEA	XCR- XC26555-18 (electric)	XC0508	01-OCT-17	01-SEP-17	/ 4500 hp	/	Active	Electric Driven Refrigeration Compressor
D-7 EQPT67	Compressor	GEA	XCR- XC26555-18 (electric)	XC0510	01-OCT-17	01-SEP-17	/ 4500 hp	/	Active	Electric Driven Refrigeration Compressor
EP-1 EQPT32	Process Flare	Zeeco Inc	FL5100	31927	01-JAN-17	01-JAN-17	/ 240.03 MM SCF/d	/	Active	SSM Flare (Pilot w/ auto ignition)
EP-2 EQPT1	Process Heater	Fabsco Shell & Tube	E-207	516-11764-2/HI14-149	01-OCT-17	01-JAN-17	26.5 MM BTU/h / 26.5 MM BTU/h	26.5 MM BTU/h / 26.5 MM BTU/h	Active	Trim Reboiler Heater
EP-3A EQPT2	Process Heater	Patrick	2BKU30/5A-312	717-5145A	01-OCT-17	01-JAN-17	70.28 MM BTU/h / 70.28 MM BTU/h	70.28 MM BTU/h / 70.28 MM BTU/h	Active	Amine Reboiler Heater
EP-3B EQPT3	Process Heater	Patrick	TBD	TBD			84.77 MM BTU/h / 84.77 MM BTU/h	84.77 MM BTU/h / 84.77 MM BTU/h	Active	Amine Reboiler Heater
EP-4 EQPT4	Glycol Dehy Reboiler Burner	Reset Energy	H-2801	F-9	01-OCT-17	01-JAN-17	3.9 MM BTU/h / 3.9 MM BTU/h	3.9 MM BTU/h / 3.9 MM BTU/h	Active	Glycol Reboiler Heater
EP-5 EQPT5	Process Heater	Heatec	HCI5010-40-G	HI16-201	01-OCT-17	01-FEB-17	9.5 MM BTU/h / 9.5 MM BTU/h	9.5 MM BTU/h / 9.5 MM BTU/h	Active	Regen Reboiler Heater

**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
EP-6 EQPT6	Process Heater	Phoenix	PX-180	17169	01-OCT-17	01-JAN-17	23.4 MM BTU/h / 23.4 MM BTU/h	23.4 MM BTU/h / 23.4 MM BTU/h	Active	Stabilizer Heater
EP-7 EQPT7	Glycol Dehy Still Vent/Flash Tank	Reset Energy	T-2707	153	01-OCT-17	01-JAN-17	240 MM SCF/d / 240 MM SCF/d	240 MM SCF/d / 240 MM SCF/d	Active	Glycol Dehydrator Still Vent
EP-8 EQPT8	Amine sweetening unit	PBP Fabrication	V-5520	493	01-OCT-17	01-JAN-17	245 MM SCF/d / 245 MM SCF/d	245 MM SCF/d / 245 MM SCF/d	Active	Amine Still Vent
EP-9 EQPT21	Thermal Oxidizer (Incinerator)	Zeeco, Inc.	TO-55	32339	01-JAN-17	01-JAN-17	71 MM BTU/h / 71 MM BTU/h	71 MM BTU/h / 71 MM BTU/h	Active	Thermal Oxidizer
FUG RPNT2	Fugitives	NA	NA	NA	27-MAR-17		/	/	Active	Fugitive Emissions
HAUL RPNT4	Fugitives						/	/	Active	Haul Roads
LOAD RPNT1	Transfer Point	TBD	TBD	TBD	27-MAR-17		/	/	Active	Condensate Loadout Emissions
SSM 2-EP-1 RPNT7	Stack/Vent	NA	NA	NA			/	/	Active	SSM Flare for Train 2
SSM 3-EP-1 RPNT9	Stack/Vent	NA	NA	NA			/	/	Active	SSM Flare for Train 3
SSM EP-1 RPNT3	Stack/Vent	NA	NA	NA			/	/	Active	SSM Flare for Train 1



**Equipment Specifications (Active/Alternative):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
SSM-TO RPNT10	Stack/Vent	NA	NA	NA			/	/	Active	SSM from Thermal Oxidizer
MSST RPNT5	Stack/Vent	NA	NA	NA			/	/	Active	SSM emissions from tank degassing
MSSM RPNT7	Stack/Vent	NA	NA	NA			/	/	Active	SSM emissions from pigging and component venting
SSMB RPNT6	Stack/Vent	NA	NA	NA	27-MAR-17	27-MAR-17	/	/	Active	SSM from Blowdowns
T-1 EQPT10	Tank - Above Ground	Tank & Vessel Boilers LP	NA	201723	27-MAR-17		1000 bbl / 1000 bbl	1000 bbl / 24528000 gal/y	Active	Condensate Storage Tank
T-2 EQPT53	Tank - Above Ground	Tank & Vessel Boilers LP	NA	201724	27-MAR-17		1000 bbl / 1000 bbl	1000 bbl / 24528000 gal/y	Active	Condensate Storage Tank
T-3 EQPT54	Tank - Above Ground	Tank & Vessel Boilers LP	NA	201720	27-MAR-17		1000 bbl / 1000 bbl	1000 bbl / 24528000 gal/y	Active	Condensate Storage Tank
T-4 EQPT55	Tank - Above Ground	Tank & Vessel Boilers LP	NA	201721	27-MAR-17		1000 bbl / 1000 bbl	1000 bbl / 24528000 gal/y	Active	Condensate Storage Tank
T-5 EQPT56	Tank - Above Ground	Tank & Vessel Boilers LP	NA	201722	27-MAR-17		1000 bbl / 1000 bbl	1000 bbl / 24528000 gal/y	Active	Condensate Storage Tank
T-6 EQPT22	Tank - Above Ground			ST-1711323	01-AUG-17	01-AUG-17	400 bbl / 400 bbl	400 bbl / 400 bbl	Active	Produced Water Tank

**Equipment Specifications (Inactive/Retired/Removed):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
CONT1 EP-1	Emergency Flare	Zeeco Inc	FL5100	31927	01-JAN-17	01-JAN-17	5 M SCF/d / 5 M SCF/d	5 M SCF/d / 5 M SCF/d	Removed	removed-SSM Flare (Pilot w/ auto ignition)
CONT2 2/3-EP-1	Emergency Flare	Zeeco	FL1500	TBD			10 M SCF/d / 105 M SCF/d	10 M SCF/d / 10 M SCF/d	Removed	removed-SSM Flare (Pilot w/ auto ignition)
CONT3 4-EP-1	Emergency Flare	Zeeco Inc	FL5100				5 M SCF/d / 5 M SCF/d	5 M SCF/d / 5 M SCF/d	Removed	removed-SSM Flare (Pilot w/ auto ignition)
EQPT14 2-EP-3A	Process Heater	TBD	TBD	TBD	30-NOV-18		55 MM BTU/h / 55 MM BTU/h	55 MM BTU/h / 55 MM BTU/h	Removed	REMOVED Amine Reboiler
EQPT15 2-EP-3B	Process Heater	TBD	TBD	TBD	30-NOV-18		55 MM BTU/h / 55 MM BTU/h	55 MM BTU/h / 55 MM BTU/h	Removed	REMOVED Amine Reboiler
EQPT23 2-D-1	Compressor	Ariel	JGH/4	F54483	01-AUG-17	01-AUG-17	40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Removed	removed-Electric Driven Flash Gas Compressor
EQPT27 D-5	Compressor	Ariel	JGH/4 (flash gas)	F54483	01-OCT-17	01-AUG-17	40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Removed	REMOVED Flash Gas Compressors
EQPT28 D-6	Compressor	Ariel	JGH/4 (flash gas)	F54484	01-OCT-17	01-AUG-17	40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Removed	REMOVED Flash Gas Compressors
EQPT29 2-D-2	Compressor	Ariel	JGH/4	F54484	01-AUG-17	01-AUG-17	40 MM SCF/d / 40 MM SCF/d	40 MM SCF/d / 40 MM SCF/d	Removed	removed-Electric Driven Flash Gas Compressor

**Equipment Specifications (Inactive/Retired/Removed):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
EQPT30 2-D-3	Compressor	Ariel	KBZ/6	TBD			/	/	Removed	removed-Electric Driven Flash Gas Compressor
EQPT34 4-EP-2	Process Heater	Fabsco Shell & Tube	E-207	TBD			17.55 MM BTU/h / 17.55 MM BTU/h	17.55 MM BTU/h / 17.55 MM BTU/h	Removed	removed-Trim Reboiler
4-EP-4 EQPT36	Glycol Dehy Reboiler Burner	TBD	TBD	TBD	30-NOV-18		3 MM BTU/h / 3 MM BTU/h	3 MM BTU/h / 3 MM BTU/h	Removed	Glycol Reboiler
4-EP-5 EQPT38	Process Heater	TBD	TBD	TBD			5.61 MM BTU/h / 5.61 MM BTU/h	5.61 MM BTU/h / 5.61 MM BTU/h	Removed	Regen Reboiler
EQPT40 4-EP-7	Glycol Dehy Still Vent/Flash Tank						220 MM SCF/d / 220 MM SCF/d	220 MM SCF/d / 220 MM SCF/d	Removed	removed-Glycol Dehydrator Still Vent
EQPT42 2-D-4	Compressor	Ariel	KBZ/6	TBD			MM SCF/d / MM SCF/d	MM SCF/d / MM SCF/d	Removed	removed-Electric Driven Flash Gas Compressor
EQPT46 4-D-1	Compressor	Ariel	KBZ/6	TBD			/	/	Removed	removed-Electric Driven Residue Compressor
EQPT47 4-D-4	Compressor	Ariel	KBZ/6	TBD			/	/	Removed	removed-Electric Driven Residue Compressor
EQPT48 4-D-2	Compressor	Ariel	KBZ/6	TBD			/	/	Removed	removed-Electric Driven Residue Compressor
EQPT49 4-D-3	Compressor	Ariel	KBZ/6	TBD			/	/	Removed	removed-Electric Driven Residue Compressor
EQPT9 2-EP-9	Thermal Oxidizer (Incinerator)	Zeeco Inc	TO-55	32339	01-OCT-17	01-JAN-17	75 MM BTU/h / 75 MM BTU/h	75 MM BTU/h / 75 MM BTU/h	Removed	REMOVED Thermal Oxidizer

**Equipment Specifications (Inactive/Retired/Removed):**

Unit No.	Unit Type	Make	Model No.	Serial No.	Yr of Construction	Yr of Manufacture	Operating Rate Max/Site	Operating Capacity Max/Site	Subject Item Status	Subject Item Description
RPNT8 SSM 4-EP-1	Stack/Vent	NA	NA	NA			/	/	Removed	removed-SSM Flare for Train 4
4_EP-5	Regen Reboiler Heater						5.61 MMBtu/hr			
4-EP-7	Glycol Dehydrator Still Vent						320 MMScf/d			
FUG2	Fugitive Emissions									

**Emissions:** Pollutant **Permitted** (Allowable and SSM) Emissions per piece of equipment or Subject Item as represented by applicant.

Unit No.	NO <sub>x</sub> (pph)	<sup>1</sup> NO <sub>x</sub> (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO <sub>2</sub> (pph)	SO <sub>2</sub> (tpy)	TSP (pph)	TSP (tpy)	PM <sub>10</sub> (pph)	PM <sub>10</sub> (tpy)	PM <sub>2.5</sub> (pph)	PM <sub>2.5</sub> (tpy)	H <sub>2</sub> S (pph)	H <sub>2</sub> S (tpy)
2-EP-1 (EQPT50)	.17	.72	.33	1.45			.0082	.04								.0001
2-EP-2 (EQPT13)	.84	3.68	2.18	9.56	.14	.63	.022	.1	.2	.9	.2	.9	.2	.9		
2-EP-4 (EQPT16)	.38	1.67	.32	1.41	.021	.092	.003	.014	.03	.13	.03	.13	.03	.13		
2-EP-5 (EQPT17)	.93	4.08	.78	3.43	.051	.22	.008	.035	.07	.3	.07	.3	.07	.3		
2-EP-6 (EQPT41)	2.3	10.1	1.93	8.44	.13	.55	.019	.09	.2	.8	.2	.8	.2	.8		
2-EP-7 (EQPT19)																
2-EP-8 (EQPT20)																
3-EP-1 (EQPT51)	.17	.72	.33	1.45			.0082	.04								.0001
3-EP-2 (EQPT33)	1.7	7.5	1.5	6.3	.1	.4			.1	.6	.1	.6	.1	.6		
3-EP-4 (EQPT35)	.4	1.7	.3	1.4	.02	.09	.003	.014	.03	.13	.03	.13	.03	.13		
3-EP-5 (EQPT37)	.93	4.08	.78	3.43	.051	.22	.008	.035			.071	.31	.071	.31		
3-EP-7 (EQPT39)																
3-EP-8 (EQPT52)																

Unit No.	NO <sub>x</sub> (pph)	<sup>1</sup> NO <sub>x</sub> (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO <sub>2</sub> (pph)	SO <sub>2</sub> (tpy)	TSP (pph)	TSP (tpy)	PM <sub>10</sub> (pph)	PM <sub>10</sub> (tpy)	PM <sub>2.5</sub> (pph)	PM <sub>2.5</sub> (tpy)	H <sub>2</sub> S (pph)	H <sub>2</sub> S (tpy)
Comb-1 (EQPT12)	7.83	3.08	15.63	6.16	37.61	4.26	.16	.0038	.42	.17	.42	.17	.42	.17		
EP-1 (EQPT32)	.22	.96	.44	1.91			.0093	.041								.0001
EP-2 (EQPT1)	2.6	11.38	2.18	9.56	.14	.63	.022	.1	.2	.86	.2	.86	.2	.86		
EP-3A (EQPT2)	2.23	9.7	4.53	19.83	.38	1.66	.06	.3	.52	2.3	.52	2.3	.52	2.3		
EP-3B (EQPT3)	.34	1.49	3.48	15.22	1.61	7.05	.07	.3	1.1	4.83	1.1	4.83	1.1	4.83		
EP-4 (EQPT4)	.38	1.67	.32	1.41	.021	.092	.0032	.014	.03	.13	.03	.13	.03	.13		
EP-5 (EQPT5)	.93	4.08	.78	3.43	.051	.22	.008	.035	.07	.3	.07	.3	.07	.3		
EP-6 (EQPT6)	2.29	10.5	1.93	8.44	.13	.55	.019	.09	.2	.8	.2	.8	.2	.8		
EP-7 (EQPT7)																
EP-8 (EQPT8)																
EP-9 (EQPT21)	6.12	26.81	3	13.1	.53	2.32	26.66	116.7 9	.6	2.6	.6	2.6	.6	2.6	.014	.062
FUG (RPNT2)						115.4 8										
HAUL (RPNT4)									.4	1.5	.1	.4	.01	.04		
LOAD (RPNT1)						54.41										

Unit No.	NO <sub>x</sub> (pph)	<sup>1</sup> NO <sub>x</sub> (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO <sub>2</sub> (pph)	SO <sub>2</sub> (tpy)	TSP (pph)	TSP (tpy)	PM <sub>10</sub> (pph)	PM <sub>10</sub> (tpy)	PM <sub>2.5</sub> (pph)	PM <sub>2.5</sub> (tpy)	H <sub>2</sub> S (pph)	H <sub>2</sub> S (tpy)
SSM 2-EP-1 (RPNT7)	1578.29	19.66	3150.87	39.26	2484.7	29.82	828.55	9.98							8.98	.11
SSM 3-EP-1 (RPNT9)	1578.29	19.66	3150.87	39.26	2484.7	29.82	828.55	9.98							8.98	.11
SSM EP-1 (RPNT3)	1578.35	19.9	3150.97	39.72	2484.7	29.82	828.55	9.98							8.98	.11
SSM-TO (RPNT10)					326.15	3.26									14.17	.142
SSM-misc (RPNT5)					276.81	4.84										
SSMB (RPNT6)																
T-1 (EQPT10)																
T-2 (EQPT53)																
T-3 (EQPT54)																
T-4 (EQPT55)																
T-5 (EQPT56)																
TOTAL																

1 Nitrogen dioxide emissions include all oxides of nitrogen expressed as NO<sub>2</sub>.

2 Title V annual fee assessments are based on the sum of allowable tons per year emission limits in Sections A106 and A107.

3 Compliance with emergency flare emission limits is demonstrated by limiting combustion to pilot and/or purge gas only.

“-” indicates the application represented emissions are not expected for this pollutant.

“<” indicates that the application represented the uncontrolled mass emission rates are less than 1.0 pph. or 1.0 tpy. for this emissions unit and this air pollutant. The Department determined that allowable mass emission limits were not required for this unit and this pollutant.

“\*” indicates hourly emission limits are not appropriate for this operating situation.

**Pollutant Unpermitted (Potential) Emissions (Non-regulated, without permitted emission limits)**

Unit No.	NO <sub>x</sub> (pph)	<sup>1</sup> NO <sub>x</sub> (tpy)	CO (pph)	CO (tpy)	VOC (pph)	VOC (tpy)	SO <sub>2</sub> (pph)	SO <sub>2</sub> (tpy)	TSP (pph)	TSP (tpy)	PM <sub>10</sub> (pph)	PM <sub>10</sub> (tpy)	PM <sub>2.5</sub> (pph)	PM <sub>2.5</sub> (tpy)	H <sub>2</sub> S (pph)	H <sub>2</sub> S (tpy)
T-6 (EQPT22)					0.14	0.63									0.0007	0.0031
T-4 (EQPT55)																
T-5 (EQPT56)																
T-2 (EQPT53)																
T-3 (EQPT54)																
FUG (RPNT2)																
EP-8 (EQPT8)																
T-1 (EQPT10)																
TOTAL																

**POTENTIAL HAPS EMISSIONS FROM TEMPO**, Table has the most common HAPS – it is not inclusive of all HAPS that might be entered in TEMPO. All emissions are in tons/year

Unit No.(s)	Total HAPs		Benzene		Hexane	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Facility Total	412.8	24.2	108.4	6.4	156.1	7.0

\* Totals are for information only and may not match the totals in the table “TOTAL HAPS and NM TAPS”